

# QCD Agenda 9/20/02

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1. News/announcements Jay/Joey

## Run 2

2. Data validation Rob Snihur 10'
3. W + jets group update Rob Roser 20'

## Blessings

4. Jet correction plots Anwar Bhatti 15'
5. Preliminary jet cross sections Frank Chlebana

## Run 1

## Blessings

6. A few new plots from Valeria Joey Huston 10'
7. A few new plots from Rick Rick Field 10'

## HCP practice talks

8. Jet production at CDF Mario Martinez-Perez
9. Global photon summary Sung-won Lee

# Paper of the Week

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- **hep-ph/0209186**; Hadronic Collisions in the Linked Dipole Chain Model, Gosta Gustafson, Leif Lonnblad, Gabriela Miu; We apply the Linked Dipole Chain model to hadronic collisions using a modified version of the LDCMC Monte Carlo program. In particular we investigate the effects of multiple scatterings, which in this framework are reformulated in terms of the production of multiple chains of dipoles. We find, among other things, that this way of describing multiple scatterings is less sensitive to the treatment of soft, non-perturbative, scatterings. Although the results presented here are only at parton level, by comparing with corresponding results from PYTHIA, we are confident that our model will be able to describe essential features of high energy hadronic collisions, including underlying events and jet-pedestal effects in high  $p_T$  events. The model should also be applicable to estimates of transverse energy flow in high energy heavy ion collisions, of interest in analyses of signals for quark-gluon plasma formation.

# Announcements

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- Mario has taken over responsibility for the jet filter from Pierre
- News on validation: see Rob's talk
- Current QCD samples on disk have been run with 4.5.2; any need for reprocessed data?
- What analysis packages do members of the QCD group use? Anyone want to volunteer to be responsible for a package?

# MC Tuning Workshop Agenda

## Matrix element/Monte Carlo Tuning Workshop

Oct 4, 2002: Wilson Hall, One West

### Schedule

10:00 AM Introduction & Setting of Goals for Workshop  
Stephen Mrenna

10:30 AM The HERA experience  
Markus Wobisch

11:00 AM Diffractive tools  
Brian Cox

11:30 AM Comparisons of ME generators  
Gervasio Gomez

12:00 PM Lunch

1:00 PM CDF MC tunes from Run 1  
Rick Field

1:40 PM D0 Min Bias Comparisons  
Avto Kharchilava

2:05 PM D0 Low Et Jet Comparisons  
John Krane

2:30 PM Using Ratios as More Precise  
Measurables at Hadron Colliders  
Henry Frisch

2:50 PM B production in Pythia and Herwig and Data  
Alberto Annovi

3:10 PM Future directions      Joey Huston

3:30 PM Adjourn for Wine and Cheese

4:00 PM Wine & Cheese      Rick Field

Toward an Understanding of Hadron-Hadron Collisions:  
From Feynman-Field until Now

QCD Meeting  
Sept 20, 2002